

CLAIMS:

What is claimed is:

1. A memory card connector, comprising:

an insulative housing having a rear terminal-mounting section which mounts a plurality of terminals having contact portions for engaging appropriate contacts on a memory card;

5 a metal shell mounted on the housing and combining therewith to define an interior card-receiving cavity formed by a top plate and opposite side plates of the metal shell, the cavity having a front insertion opening to permit insertion and withdrawal of the memory card into and out of the connector, with said terminal-mounting section of the housing being located at the rear of the cavity; and

10 a card ejector mechanism at least partially beneath the cavity adjacent one side thereof, whereby the opposite side plates of the metal shell define the opposite sides of the cavity.

2. The memory card connector of claim 1 wherein said card ejector mechanism includes a card-engaging slider movable with the card and having a cam slot in an outside face thereof, and one of the side plates of the metal shell includes a spring member for biasing a cam follower pin into the cam slot.

3. The memory card connector of claim 2 wherein said metal shell is stamped and formed of sheet metal material, and said spring member comprises a spring arm stamped out of the one side plate of the metal shell.

4. The memory card connector of claim 1 wherein said card ejector mechanism includes a card-engaging slider movable with the card and having a cam slot in a bottom face thereof, and one of the side plates of the metal shell has a bottom inwardly turned flange with a spring member for biasing a cam follower pin into the cam slot.

5. The memory card connector of claim 4 wherein said metal shell is stamped and formed of sheet metal material, and said spring member comprises a spring arm stamped from said inwardly turned flange out of the one side plate of the metal shell.

6. The memory card connector of claim 1 wherein said card ejector mechanism includes a slider having a locking arm that swings up and down into and out of engagement with a locking recess in the overlying memory card.

7. The memory card connector of claim 6 wherein said metal shell includes a spring member for engaging a portion of the slider to bias the locking arm into engagement with the recess in the overlying memory card.

8. The memory card connector of claim 7 wherein said metal shell is stamped and formed of sheet metal material, and said spring member comprises a spring arm stamped out of the top plate of the metal shell.

9. The memory card connector of claim 6 wherein said housing includes a cut-out area beneath the locking arm to accommodate downward swinging movement of the arm.

10. The memory card connector of claim 6 wherein said locking arm is a cantilevered member that is recessed along a distal end thereof to allow for downward swinging movement of the locking arm.

11. A memory card connector, comprising:

an insulative housing having a rear terminal-mounting section which mounts a plurality of terminals having contact portions for engaging appropriate contacts on a memory card;

5 a metal shell mounted on the housing and combining therewith to define an interior card-receiving cavity formed by a top plate and opposite side plates of the metal shell, the cavity having a front insertion opening to permit insertion and withdrawal of the memory card into and out of the connector, with said terminal-mounting section of the housing being located at the rear of the cavity;

10 a card ejector mechanism at least partially beneath the cavity adjacent one side thereof whereby the opposite side plates of the metal shell define the opposite sides of the cavity, the card ejector mechanism including a card-engaging slider movable with the card and having a cam slot in one face thereof, the slider having a locking arm that swings up and down into and out of engagement with a locking recess in the overlying member card; and

15 said metal shell including a first spring member for biasing a cam follower pin into the cam slot and a second spring member for engaging a portion of the slider to bias the locking arm into engagement with the recess in the overlying memory card.

12. The memory card connector of claim 11 wherein the cam slot of said slider is in an outside face thereof, said metal shell is stamped and formed of sheet metal material, and said first spring member comprises a spring arm stamped out of one side plate of the metal shell.

13. The memory card connector of claim 11 wherein the cam slot of said slider is in a bottom face thereof, one side plate of the metal shell has a bottom inwardly turned flange, and said first spring member comprises a spring arm stamped from the flange.

14. The memory card connector of claim 11 wherein said metal shell is stamped and formed of sheet metal material, and said second spring member comprises a spring arm stamped out of the top plate of the metal shell.

15. The memory card connector of claim 11 wherein said housing includes a cut-out area beneath the locking arm to accommodate downward swinging movement of the arm.

16. The memory card connector of claim 11 wherein said locking arm is a cantilevered member that is recessed along a distal end thereof to allow for downward swinging movement of the locking arm.